



BOTSWANA EXAMINATIONS COUNCIL  
PRIMARY SCHOOL LEAVING EXAMINATION

**AGRICULTURE**

**06**

**Paper 1**

**October 2018**

**Marks: 60**

**Time: 1 Hour 30 Minutes**

**Candidate's Examination Number:**

Centre						Candidate			

**INSTRUCTIONS**

1. Write your examination number in the space provided above.
2. Answer **ALL** questions.
3. Read all questions carefully before attempting to answer.
4. Write your answers in the spaces provided on the question paper.

**FOR EXAMINER'S USE ONLY**

<b>Section A</b>	
<b>Section B</b>	
<b>Total Marks Scored</b>	

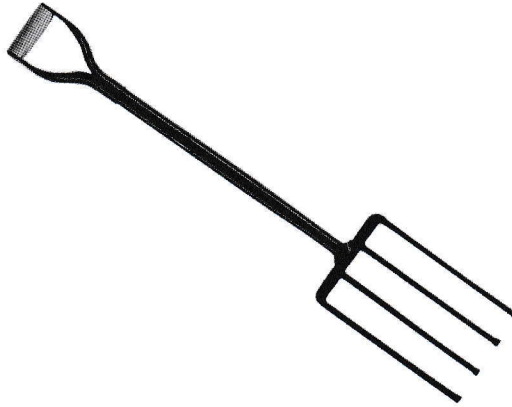
*This question paper contains 11 printed pages.*

**SECTION A**

**(20 marks)**

Answer **all** questions.

The diagram below shows a garden tool.  
Use it to answer question 1.



1. (a) Name the tool.  
..... (1)

(b) State the use of the tool named in (a).  
..... (1)

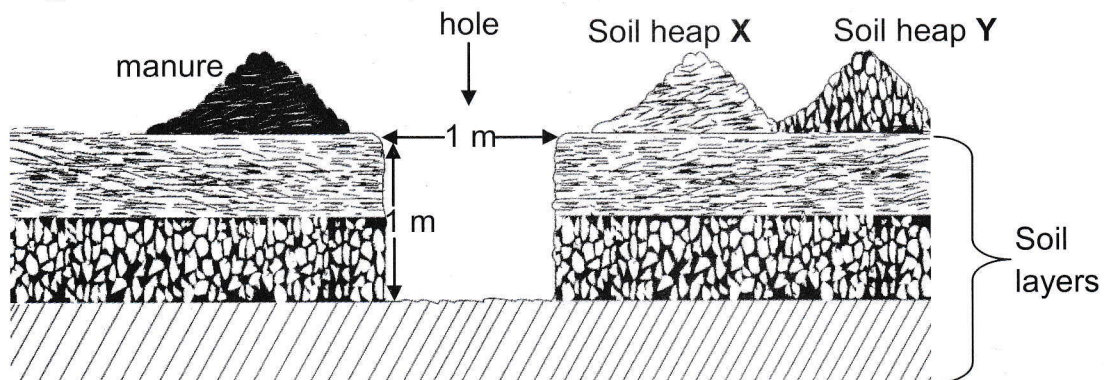
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2. State any **two** problems that can affect cattle farmers in Botswana.  
.....  
..... (2)

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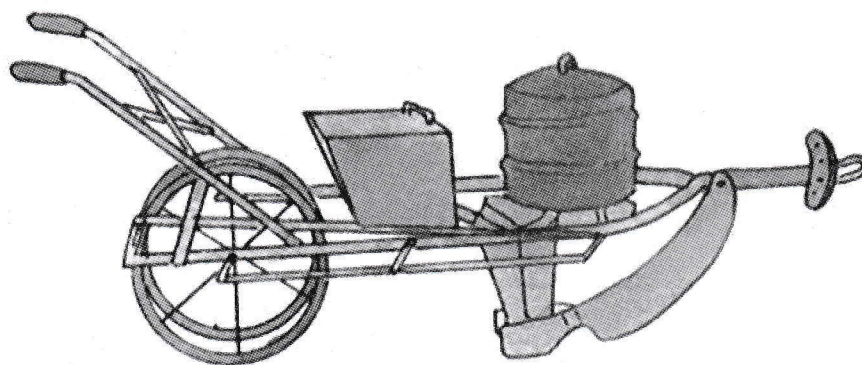
3. List any **two** examples of feeds given to goats.  
.....  
.....  
.....  
..... (2)

The diagram below shows a hole dug by Mr Tom to transplant a fruit tree seedling. He piled the soil he dug out as heaps X and Y as shown in the diagram. Use it to answer question 4.



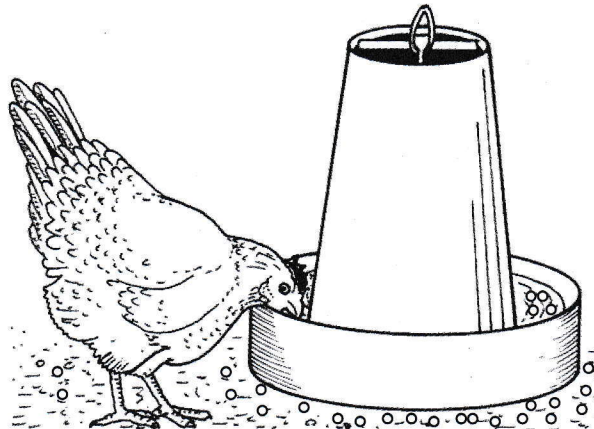
4. (a) Which of the two soil heaps should Mr Tom mix with manure when transplanting.  
..... (1)
- (b) Give a reason for your answer in (a).  
..... (1)

The diagram below shows a farming implement.  
Use it to answer question 5.



5. State **two** uses of the implement.  
.....  
..... (2)

The diagram below shows a tool used in chicken production.  
Use it to answer question 6.



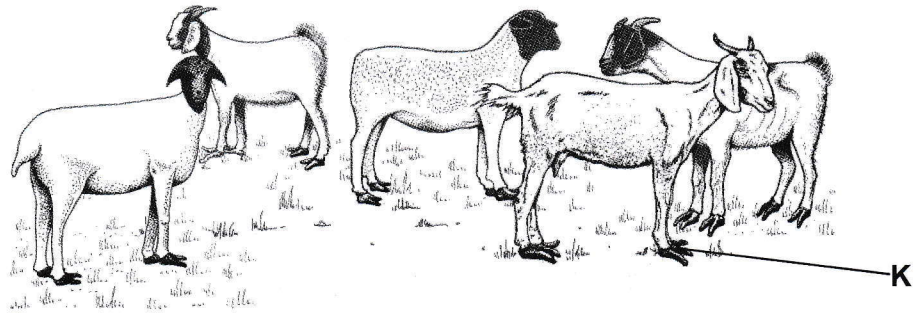
6. (a) Name the tool.  
..... (1)
- (b) State **one** way in which the activity done by the chicken benefits it.  
..... (1)
- 

Use the information below to answer question 7.

Students were travelling from Zimbabwe to Botswana. When they entered Botswana they were stopped to wet their shoe soles in a foot-bath to prevent the spread of diseases.

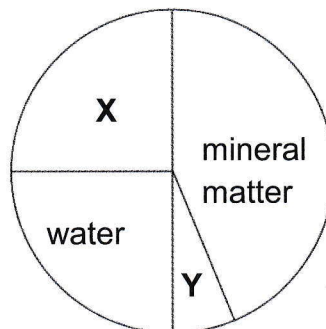
7. Name any **two** diseases that were being prevented from spreading into Botswana.  
.....  
..... (2)
-

The diagram below shows goats and sheep in a grazing area.  
Use it to answer questions 13 (a) and (b).



13. (a) Name the management activity that should be carried out to correct the size of the part labelled **K**.  
..... (1)
- (b) Explain how the goats would be affected if the management activity named in (a) was not carried out.  
.....  
..... (2)
- (c) State any **two** breeds of sheep.  
.....  
..... (2)

The diagram below shows constituents of soil.  
Use it to answer question 14.



14. (a) Name the soil constituent labelled **X**?  
..... (1)

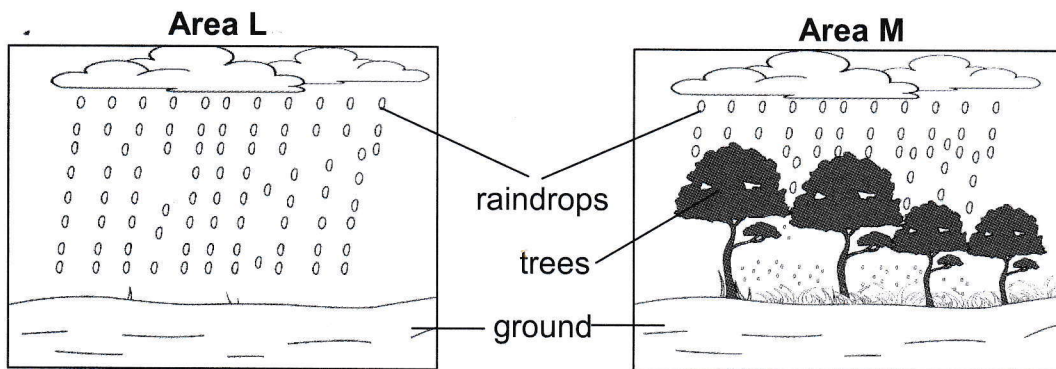
(b) State **three** ways in which the soil constituent labelled **Y**, is helpful in plant growth.

.....  
.....  
..... (3)

(c) What is the percentage of mineral matter in the soil?

..... (1)

The diagrams below show rain drops falling in areas labelled L and M.  
Use them to answer questions 15 (a) to (c).



15. (a) In which of the two areas would soil erosion easily take place?

..... (1)

(b) Give a reason for your answer in (a).

..... (1)

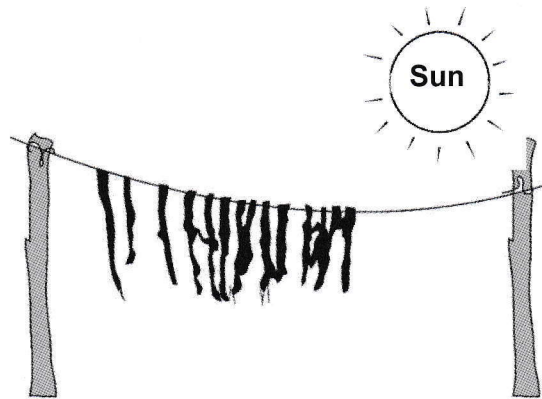
(c) State the agent of soil erosion shown in the diagrams.

..... (1)

(d) Explain **one** cause of soil erosion.

.....  
.....  
..... (2)

The diagram below shows one way of preserving food.  
Use it to answer question 16.



16. (a) Name the method of preserving food shown in the diagram.  
..... (1)
- (b) State any **two** foods that can be preserved using the method shown in the diagram.  
.....  
..... (2)
- (c) State **two** other methods of preserving food apart from the one shown in the diagram.  
.....  
..... (2)

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Use the information below to answer question 17.

The soil in Mr Kopo's farm has a fine texture. He planted spinach in it. He later noticed that the spinach was short and the leaves were yellow.

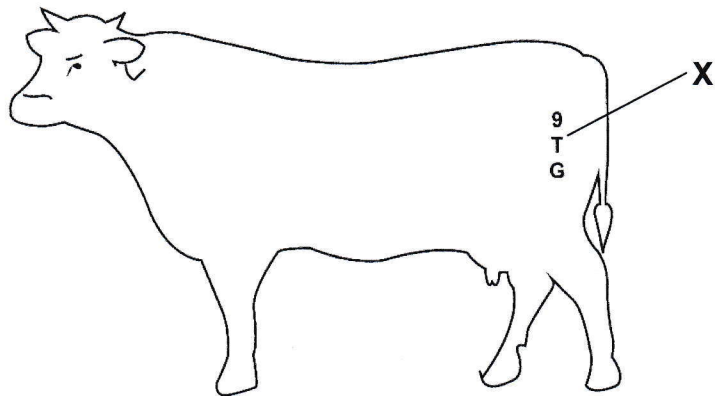
17. (a) Name the type of soil that is likely to be found in Mr Kopo's farm.  
..... (1)
- (b) State any **three** factors that could have made the spinach to be short.  
.....  
.....  
..... (3)

- (c) State **one** way in which the soil in Mr Kopo's farm can be improved for crop production.

.....  
..... (1)

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The diagram below shows a management activity labelled X which was carried out on a cow. Use it to answer question 18.



18. (a) Name the tool that was used to carry out the management activity.

..... (1)

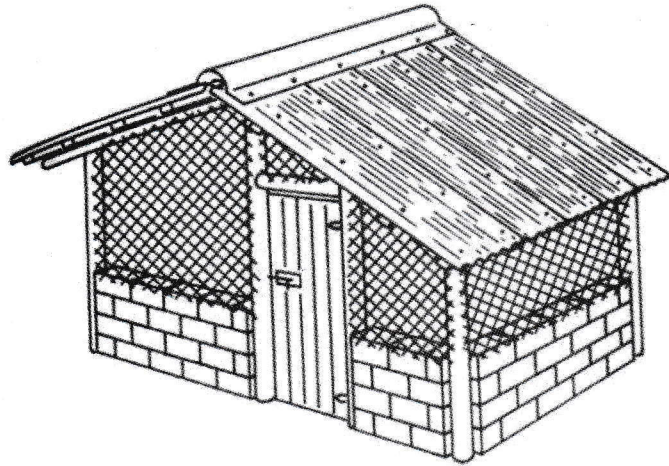
- (b) State **two** ways in which the management activity benefits the farmer.

.....  
.....  
..... (2)

- (c) Name **two** other management activities that can be carried out on cattle.

.....  
.....  
..... (2)

The diagram below shows a structure used in chicken production. Use it to answer question 8.



8. State any **two** ways in which the structure benefits the chickens.

.....  
..... (2)

9. State any **two** ways in which external parasites can be controlled.

.....  
.....  
.....  
..... (2)

Use the information below to answer question 10.

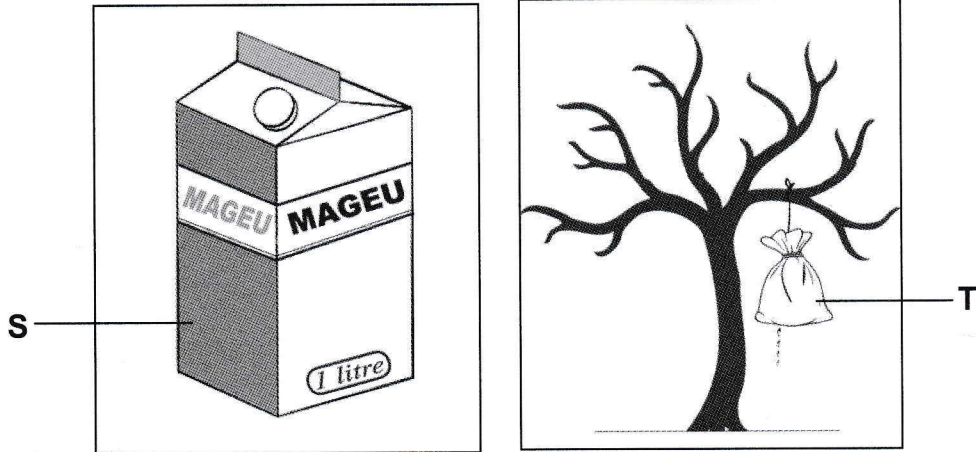
For every hectare in a field, a farmer must add 50 kg of urea.

10. How much urea should the farmer add in a 3 hectare field?  
(Show your working).

.....  
..... (2)



The diagrams below show two examples of food products which are, magueu labelled S and sour milk labelled T. Use them to answer question 12.



12. (a) Name the type of biotechnology that the shown food products fall under.

S.....

T..... (2)

(b) Describe how the sour milk shown in the diagram is prepared.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... (3)